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## Patent Abstracts of Japan

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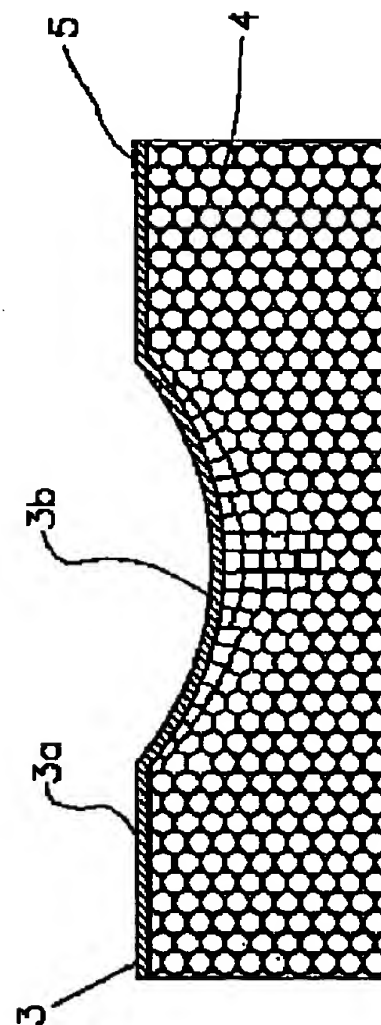
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TITLE : MOLDING DIE AND MANUFACTURE  
OF OPTICAL ELEMENT



ABSTRACT : PROBLEM TO BE SOLVED: To provide a molding die which does not form wrinkles even when a number of dents are formed.

SOLUTION: Since this molding die comprises a die base metal 4 having a number of pores and an electroless nickel plating layer 5 coating the surface to be molded, when a dent for element 3b is to be formed, the electroless nickel plating layer 5 is deformed in accordance with the surface shape of an indenter on a cavity surface 3a, and the die base metal 4 is also recessed while reducing the volume of the pores in accordance with the surface shape of the indenter. In other words, since the volume change due to the deformation in a process of dents is absorbed in the pores of the die base metal 4, wrinkles are hardly formed around the dents for element 3b, so that the wrinkles can be prevented from being formed on the surface of an array of microoptical element to be molded by the resultant molding die.

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